

Amendments to the Specification

Please replace the paragraph located from lines 17-24 of page 4 with the following:

Referring now to Fig. 1, a network workload sharing mechanism of a multiple processor system is shown according to one example of the present invention. In this configuration, the network 10 is the main channel or the backbone for all information exchange. For illustration purposes only, it is assumed that the network uses the TCP/IP protocol, IP packets travel throughout the network. The packets are then fed into a parallelizer 12, which performs a hash function that maps each packet into a particular hash bucket ~~15~~ 13. A hash function (or a hashing algorithm) is a process of transforming a message of any length into a fixed length output message. The output message is called a digest or bucket. A hash function can be designed so that it is computationally unfeasible to determine an input message from its corresponding output bucket.